

## [CLAIMS]

1. A positive working heat-sensitive lithographic printing plate  
5 precursor comprising a support having a hydrophilic surface and a coating, provided on the hydrophilic surface, said coating comprising:
  - an infrared light absorbing agent,
  - an oleophilic resin soluble in an aqueous alkaline developer,
  - 10 - a developer resistance means and
  - spacer particles,  
characterised in that said spacer particles comprise cross-linked polysiloxane and have an average particle size is between 0.6  $\mu\text{m}$  and 15  $\mu\text{m}$ .
- 15 2. A positive working heat-sensitive lithographic printing plate precursor according to claim 1 wherein said particle size is between 1  $\mu\text{m}$  and 15  $\mu\text{m}$ .
- 20 3. A positive working heat-sensitive lithographic printing plate precursor according to claim 1 wherein said cross-linked polysiloxane is a cross-linked poly alkylsiloxane.
- 25 4. A positive working heat-sensitive lithographic printing plate precursor according to claim 1 wherein said coating has a layer thickness comprised between 0.6  $\text{g}/\text{m}^2$  and 2.8  $\text{g}/\text{m}^2$ .
- 30 5. A positive working heat-sensitive lithographic printing plate precursor according to claim 1 wherein said coating comprises at least two layers and wherein said spacer particles are present in at least one of the layers of the coating.
- 35 6. A positive working heat-sensitive lithographic printing plate precursor according to claim 1 wherein the amount of said

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particles in the coating is between 5 and 200 mg/m<sup>2</sup>.

7. A positive working heat-sensitive lithographic printing plate precursor according to claim 1 wherein said developer resistance means is a polymer comprising siloxane or perfluoroalkyl units.
8. A stack comprising a plurality of positive working heat-sensitive lithographic printing plate precursors, according to claim 1, wherein adjacent plate precursors are separated by an interleave.
9. A package comprising a stack according to claim 8.
10. Use of cross-linked polysiloxane spacer particles, having an average particle size larger than 0.6 µm, in the coating of a positive working heat-sensitive lithographic printing plate precursor, said coating, provided on the hydrophilic surface, further comprising:
  - an infrared light absorbing agent,
  - an oleophilic resin soluble in an aqueous alkaline developer and
  - a developer resistance means, characterised in that said spacer particles comprise cross-linked polysiloxane and have an average particle size larger than 0.6 µm, for improving the scuff-mark resistance of the coating.

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